

memorandum

DATE: August 27, 2003

REPLY TO

ATTN OF: Air, Water and Radiation Protection Policy and Guidance (EH-41):Boulos: 6-1306

SUBJECT: Clean Air Act Notice of Acceptability of Substitutes for Ozone-Depleting Substances

TO: Distribution

The purpose of this memorandum is to inform Department of Energy (DOE) program offices and field organizations that on August 21, 2003, the Environmental Protection Agency (EPA) issued a notice of acceptability in the Federal Register (68 FR 50533) on "Protection of Stratospheric Ozone: Notice 18 for Significant New Alternatives Policy Program." The notice is available at the EH-41 Home Page at:
<http://www.eh.doe.gov/oepa/rules/68/68fr50533.pdf>.

Under Section 612 of the Clean Air Act, EPA established the Significant New Alternatives Policy (SNAP) program. SNAP's mandate is to identify alternatives to ozone-depleting substances (ODS) and to publish lists of acceptable and unacceptable substitutes. Comprehensive SNAP lists can be obtained through EPA's Stratospheric Ozone Protection Hotline at: 1-800-296-1996. Also, the full lists of SNAP decisions in all industrial sectors can be found at:
<http://www.epa.gov/docs/ozone/snap/lists/index.html>.

The August 21, 2003, notice expands the list of acceptable substitutes for ODS under the EPA's SNAP program. New substitutes are identified and discussed for refrigeration and air conditioning, solvent cleaning, fire suppression and explosion protection, and aerosols sectors. Appendix A of this notice provides a summary of acceptable decisions:

A. Refrigeration and Air Conditioning:

- (i) R-407C is acceptable for use in new and retrofit equipment as substitutes for R-502;
- (ii) ISCEON 89 is acceptable for use in new and retrofit equipment as a substitute for R-13B1, in very low temperature refrigeration; and
- (iii) RS-44 is acceptable for use in new and retrofit equipment as a substitute for HCFC-22.

B. Solvent Cleaning:

- (i) HFE-7000 is acceptable for use as a substitute for methyl chloroform and CFC-113 in the precision cleaning and electronics cleaning end-uses.

C. Fire Suppression and Explosion Protection:

- (i) HFC-125 with 0.15% d-limonene (NAF S-125) is acceptable as a substitute for halon 1301 in the total flooding end use for both normally occupied and unoccupied spaces.

Questions on this notice can be directed to Mr. Emile Boulos of my staff at:
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Protection Policy and Guidance